



July 1, 2003

Mr. George Czerniak
Chief - Air Enforcement and Compliance Branch
USEPA Region 5
77 West Jackson Blvd. AE-17J
Chicago, IL. 60604-3507

RECEIVED
JUL 09 2003
AIR ENFORCEMENT BRANCH
U.S. EPA, REGION 5

SUBJECT: Bi-Annual Report for Halogenated Solvent Cleaning Machines

Dear Mr. Czerniak :

Enclosed please find the Bi-Annual Report for Halogenated Solvent Cleaning Machines subject to the Halogenated Solvent Cleaner NESHAP (40 CFR 63 Subpart T) at the Morgan Electro Ceramics, Bedford, Ohio facility.

Thank you for your consideration in this matter. If you have any questions regarding this correspondence, please contact me at (440) 232-8600.

Sincerely,

A handwritten signature in dark ink, appearing to read 'William Hocevar'.

William Hocevar
Facility Manager
Morgan Electro Ceramics

Enclosure

cc: Doug Brousard, Cleveland Air Pollution Control Division
T. Jones

**HALOGENATED SOLVENT CLEANER NESHAP –
BI-ANNUAL REPORT**

FACILITY INFORMATION

Company Name	Morgan Electro Ceramics
Mailing Address	232 Forbes Road Bedford, Ohio 44146
Equipment Location Address	Same as mailing address.
Ohio EPA Facility ID.	13-18-03-1627

SOLVENT MACHINE INFORMATION

Ohio EPA ID	L001
Description of source	Solvent vapor degreaser using perchloroethylene
Initial Startup date	October 17, 1998
Type of Machine	Batch vapor
Solvent/Air Interface Area	9.79 (square ft)
Machine Controls	Freeboard Ratio 1.00 Freeboard refrigeration device Super-heated vapor Working-mode cover
Method of Compliance	Alternative standard 40 CFR 63.464
Overall Average Monthly Consumption	443.75 (lb. of solvent)
3-Month Rolling Average Emission Estimates*	14.8 (lb/month/sq. ft. surface area) From: 01/01/03; To: 03/31/03
3-Month Rolling Average Emission Estimates*	75.9 (lb/month/sq. ft. surface area) From: 04/01/03; To: 06/30/03

* Calculation method and results are attached.

Person preparing report:	<u>Hocevar</u>	<u>William</u>	<u>J.</u>
	<i>Last Name</i>	<i>First Name</i>	<i>Middle Initial</i>
Title:	<u>Facility Engineering Manager</u>		

Date prepared:	<u>July 1, 2003</u>
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HALOGENATED SOLVENT CLEANER NESHAP – BI-ANNUAL REPORT

FACILITY INFORMATION

Company Name	Morgan Electro Ceramics
Mailing Address	232 Forbes Road Bedford, Ohio 44146
Equipment Location Address	Same as mailing address.
Ohio EPA Facility ID.	13-18-03-1627

SOLVENT MACHINE INFORMATION

Ohio EPA ID	P009 –B
Description of source	Solvent vapor degreaser using perchloroethylene
Make/Model	Baron Blakeslee / Model MLR-216
Initial Startup date	September 1, 1998 (Replacement in kind of old machine)
Type of Machine	Batch vapor
Solvent/Air Interface Area	4.31 (square ft)
Machine Controls	Freeboard Ratio 1.00 Freeboard refrigeration device Working-mode cover
Method of Compliance	Alternative standard 40 CFR 63.464
Overall Average Monthly Consumption	54.1 (lb. of solvent)
3-Month Rolling Average Emission Estimates*	5.2 (lb/month/sq. ft. surface area) From: 01/01/03; To: 03/31/03
3-Month Rolling Average Emission Estimates*	19.9 (lb/month/sq. ft. surface area) From: 04/01/03; To: 06/30/03

* Calculation method and results are attached.

Person preparing report:	Hocevar	William	J.
	<i>Last Name</i>	<i>First Name</i>	<i>Middle Initial</i>
Title:	Facility Engineering Manager		

Date prepared:	July 1, 2003
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**HALOGENATED SOLVENT CLEANER NESHAP –
BI-ANNUAL REPORT**

FACILITY INFORMATION

Company Name	Morgan Electro Ceramics
Mailing Address	232 Forbes Road Bedford, Ohio 44146
Equipment Location Address	Same as mailing address.
Ohio EPA Facility ID.	13-18-03-1627

SOLVENT MACHINE INFORMATION

Ohio EPA ID	P019
Description of source	Solvent vapor degreaser using perchloroethylene
Make/Model	Finishing Equipment 6342
Initial Startup date	January 1, 1990
Type of Machine	Batch vapor
Solvent/Air Interface Area	4.38 (square ft)
Machine Controls	Freeboard Ratio 1.00 Freeboard refrigeration device Working-mode cover
Method of Compliance	Alternative standard 40 CFR 63.464
Overall Average Monthly Consumption	442.56 (lb. of solvent)
3-Month Rolling Average Emission Estimates*	41.2 (lb/month/sq. ft. surface area) From: 01/01/03; To: 03/31/03
3-Month Rolling Average Emission Estimates*	160.9 (lb/month/sq. ft. surface area) From: 04/01/03; To: 06/30/03

* Calculation method and results are attached.

Person preparing report:	<u>Hocevar</u>	<u>William</u>	<u>J.</u>
	<i>Last Name</i>	<i>First Name</i>	<i>Middle Initial</i>
Title:	<u>Facility Engineering Manager</u>		

Date prepared:	<u>July 1, 2003</u>
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Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

January

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²

Solvent Usage Information

Formulas / Notes

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	75.0	(gallon)	[From monthly log]
5	Waste Removed	64.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	63.9	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	63.9	(gallon)	[7 + 8]
10	Total Solvent Emitted	11.1	(gallon)	[4 + 9]
11	Total Solvent Emitted	149.5	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent Emission Rate:	15.3	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:	30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent Emission Rate:	22.1	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates
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Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

February

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	8.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	8.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	108.1	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		11.0	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		17.5	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

March

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²**Solvent Usage Information****Formulas / Notes**

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	13.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	13.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	175.6	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	17.9	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63, Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	14.8	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

April

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²**Solvent Usage Information****Formulas / Notes**

1 Type Solvent Used

Perchloroethylene

2 S.G. of Solvent

1.62

[From MSDS]

3 Solvent Density

13.51

(lb/gallon)

[From MSDS]

4 Solvent Added

24.0

(gallon)

[From monthly log]

5 Waste Removed

0.0

(gallon)

[From monthly log]

6 % Solvent in waste

99.90%

(%)

[From analytical report]

7 Solvent Removed in waste

0.0

(gallon)

[gal. Waste] * [% solvent]

8 Pure Solvent Removed

0.0

(gallon)

[From monthly log]

9 Total Solvent Removed

0.0

(gallon)

[7 + 8]

10 Total Solvent Emitted

24.0

(gallon)

[4 + 9]

11 Total Solvent Emitted

324.3

(lbs)

[10 * 3]

Monthly Emissions

Average Solvent

Emission Rate:

33.1

(lb/month/

[11 / (tank surface area)]

ft² s.a.)

Average Solvent

Allowable Rate:

30.6

(lb/month/

From 40 CFR 63, Subpart T

ft² s.a.)Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.**Three Month Rolling Average**

3 - Month Average Solvent

Emission Rate:

20.7

(lb/month/

[Average of three previous

ft² s.a.)

months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

May

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²**Solvent Usage Information****Formulas / Notes**

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	65.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	65.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	878.2	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent Emission Rate:	89.7	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:	30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent Emission Rate:	46.9	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]
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Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-280LE

Company I.D.:

VPD-34

Ohio EPA I.D.:

L001

Month:

June

Year:

2003

Unit Information

Tank Length (inside):

3.67

(feet)

Tank Width (inside):

2.67

(feet)

Tank Surface Area (s.a.):

9.79

(feet)²**Solvent Usage Information****Formulas / Notes**

1 Type Solvent Used

Perchloroethylene

2 S.G. of Solvent

1.62

[From MSDS]

3 Solvent Density

13.51

(lb/gallon)

[From MSDS]

4 Solvent Added

76.0

(gallon)

[From monthly log]

5 Waste Removed

0.0

(gallon)

[From monthly log]

6 % Solvent in waste

99.90%

(%)

[From analytical report]

7 Solvent Removed in waste

0.0

(gallon)

[gal. Waste] * [% solvent]

8 Pure Solvent Removed

0.0

(gallon)

[From monthly log]

9 Total Solvent Removed

0.0

(gallon)

[7 + 8]

10 Total Solvent Emitted

76.0

(gallon)

[4 + 9]

11 Total Solvent Emitted

1026.8

(lbs)

[10 * 3]

Monthly Emissions

Average Solvent

Emission Rate:

104.9

(lb/month/

[11 / (tank surface area)]

ft² s.a.)

Average Solvent

Allowable Rate:

30.6

(lb/month/

From 40 CFR 63, Subpart T

ft² s.a.)Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.**Three Month Rolling Average**

3 - Month Average Solvent

Emission Rate:

75.9

(lb/month/

[Average of three previous

ft² s.a.)

months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

January

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²

Solvent Usage Information

Formulas / Notes

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	5.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	5.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	67.6	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	15.7	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63 , Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	14.9	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

February

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	0.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	0.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	0.0	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		0.0	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		5.3	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

March

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²**Solvent Usage Information****Formulas / Notes**

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	0.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	0.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	0.0	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	0.0	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63, Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	5.2	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

April

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	10.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	10.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	135.1	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		31.4	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		10.5	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates]

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

May

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²

Solvent Usage Information

Formulas / Notes

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	33.5	(gallon)	[From monthly log]
5	Waste Removed	28.5	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	28.5	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	28.5	(gallon)	[7 + 8]
10	Total Solvent Emitted	5.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	67.9	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	15.8	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63, Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	15.7	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Baron Blakeslee MLR-216

Company I.D.:

VPD-6B

Ohio EPA I.D.:

P009

Month:

June

Year:

2003

Unit Information

Tank Length (inside):

3.23

(feet)

Tank Width (inside):

1.33

(feet)

Tank Surface Area (s.a.):

4.31

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	4.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	4.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	54.0	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		12.5	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		19.9	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

January

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	34.0	(gallon)	[From monthly log]
5	Waste Removed	34.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	34.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	34.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	0.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	0.5	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		0.1	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		0.1	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

February

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	0.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	0.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	0.0	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		0.0	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		0.1	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

March

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	40.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	40.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	540.4	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		123.4	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		41.2	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

April

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information

Formulas / Notes

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	51.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	51.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	689.1	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	157.3	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63, Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	93.6	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

May

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information

Formulas / Notes

1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	60.5	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	60.5	(gallon)	[4 + 9]
11	Total Solvent Emitted	817.4	(lbs)	[10 * 3]

Monthly Emissions

Average Solvent				
Emission Rate:	186.6	(lb/month/		[11 / (tank surface area)]
		ft ² s.a.)		
Average Solvent				
Allowable Rate:	30.6	(lb/month/		From 40 CFR 63, Subpart T
		ft ² s.a.)		

Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.

If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.

Three Month Rolling Average

3 - Month Average Solvent				
Emission Rate:	155.8	(lb/month/		[Average of three previous
		ft ² s.a.)		months solvent emission rates

Facility Name:

Morgan Electro Ceramics

EPA Facility ID:

1318031627

Unit Name:

Finishing Equipment 6342

Company I.D.:

VPD-24

Ohio EPA I.D.:

P019

Month:

June

Year:

2003

Unit Information

Tank Length (inside):

2.92

(feet)

Tank Width (inside):

1.50

(feet)

Tank Surface Area (s.a.):

4.38

(feet)²

Solvent Usage Information				Formulas / Notes
1	Type Solvent Used	Perchloroethylene		
2	S.G. of Solvent	1.62		[From MSDS]
3	Solvent Density	13.51	(lb/gallon)	[From MSDS]
4	Solvent Added	45.0	(gallon)	[From monthly log]
5	Waste Removed	0.0	(gallon)	[From monthly log]
6	% Solvent in waste	99.90%	(%)	[From analytical report]
7	Solvent Removed in waste	0.0	(gallon)	[gal. Waste] * [% solvent]
8	Pure Solvent Removed	0.0	(gallon)	[From monthly log]
9	Total Solvent Removed	0.0	(gallon)	[7 + 8]
10	Total Solvent Emitted	45.0	(gallon)	[4 + 9]
11	Total Solvent Emitted	608.0	(lbs)	[10 * 3]
Monthly Emissions				
Average Solvent Emission Rate:		138.8	(lb/month/ft ² s.a.)	[11 / (tank surface area)]
Average Solvent Allowable Rate:		30.6	(lb/month/ft ² s.a.)	From 40 CFR 63, Subpart T
<p>Note: If ave. solvent emission rate is < 30.6 lb/month/ft², NO action is required.</p> <p>If ave. solvent emission rate is > 30.6 lb/month/ft², Note in quarterly exceedance report.</p>				
Three Month Rolling Average				
3 - Month Average Solvent Emission Rate:		160.9	(lb/month/ft ² s.a.)	[Average of three previous months solvent emission rates